

A DOCKING CASSETTE FOR PRINTED CIRCUIT BOARDS

ABSTRACT OF THE DISCLOSURE

A docking apparatus for printed circuit boards including a cassette housing so as to define a housing cavity for containing a printed circuit board (PCB) and a linkage mechanism disposed so as to be associated with the cassette housing. The linkage mechanism includes a linkage arm pivotally connected to the cassette housing via a pivot and has a first arm pivotally connected to the PCB, a clevis pivotally connected to a second arm extending from the first arm, a shaft extending through an aperture in the clevis at a first end defining the shaft, the first end configured to operably transfer axial translation of the shaft to the clevis, and an opposite second end defining the shaft includes a thread, and a nut operably secured to the cassette housing. The nut is configured to threadably receive the thread for axial translation of the shaft therethrough, wherein rotation of the shaft translates the shaft causing pivotal movement of the linkage arm about the pivot via the clevis causing translation of the PCB in and out of engagement with a corresponding connector.